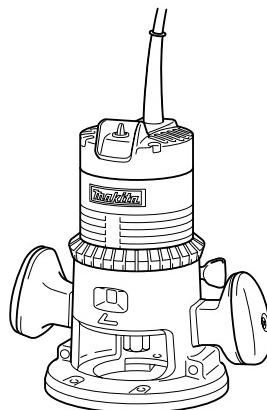




# Router

MODEL 3606



003646



DOUBLE  
INSULATION

## I N S T R U C T I O N   M A N U A L

### **⚠ WARNING:**

For your personal safety, READ and UNDERSTAND before using.  
SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

# SPECIFICATIONS

Model	3606
Collet chuck capacity	1/4"
No load speed (RPM)	30,000/min.
Overall length	181 mm (7-1/8")
Net weight	2.5 kg (5.5 lbs)

- Manufacturer reserves the right to change specifications without notice.
- Specifications may differ from country to country.

## GENERAL SAFETY RULES

USA002-2

### (For All Tools)

#### **WARNING:**

**Read and understand all instructions.** Failure to follow all instructions listed below, may result in electric shock, fire and/or serious personal injury.

## SAVE THESE INSTRUCTIONS

### Work Area

1. **Keep your work area clean and well lit.** Cluttered benches and dark areas invite accidents.
2. **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.** Power tools create sparks which may ignite the dust or fumes.
3. **Keep bystanders, children, and visitors away while operating a power tool.** Distractions can cause you to lose control.

### Electrical Safety

4. **Double insulated tools are equipped with a polarized plug (one blade is wider than the other.) This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a polarized outlet. Do not change the plug in any way.** Double insulation  eliminates the need for the three wire grounded power cord and grounded power supply system.

- 5. Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is grounded.
- 6. Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- 7. Do not abuse the cord.** Never use the cord to carry the tools or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately. Damaged cords increase the risk of electric shock.
- 8. When operating a power tool outside, use an outdoor extension cord marked "W-A" or "W".** These cords are rated for outdoor use and reduce the risk of electric shock.

## Personal Safety

- 9. Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs, alcohol, or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- 10. Dress properly. Do not wear loose clothing or jewelry. Contain long hair.** Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts.
- 11. Avoid accidental starting. Be sure switch is off before plugging in.** Carrying tools with your finger on the switch or plugging in tools that have the switch on invites accidents.
- 12. Remove adjusting keys or wrenches before turning the tool on.** A wrench or a key that is left attached to a rotating part of the tool may result in personal injury.
- 13. Do not overreach.** Keep proper footing and balance at all times. Proper footing and balance enables better control of the tool in unexpected situations.

- 14. Use safety equipment. Always wear eye protection.** Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions. Ordinary eye or sun glasses are NOT eye protection.

## Tool Use and Care

- 15. Use clamps or other practical way to secure and support the workpiece to a stable platform.** Holding the work by hand or against your body is unstable and may lead to loss of control.
- 16. Do not force tool. Use the correct tool for your application.** The correct tool will do the job better and safer at the rate for which it is designed.
- 17. Do not use tool if switch does not turn it on or off.** Any tool that cannot be controlled with the switch is dangerous and must be repaired.
- 18. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing the tool.** Such preventive safety measures reduce the risk of starting the tool accidentally.
- 19. Store idle tools out of reach of children and other untrained persons.** Tools are dangerous in the hands of untrained users.
- 20. Maintain tools with care. Keep cutting tools sharp and clean.** Properly maintained tools with sharp cutting edges are less likely to bind and are easier to control.
- 21. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tools operation.** If damaged, have the tool serviced before using. Many accidents are caused by poorly maintained tools.
- 22. Use only accessories that are recommended by the manufacturer for your model.** Accessories that may be suitable for one tool, may become hazardous when used on another tool.

## SERVICE

**23. Tool service must be performed only by qualified repair personnel.** Service or maintenance performed by unqualified personnel could result in a risk of injury.

**24. When servicing a tool, use only identical replacement parts.** Follow instructions in the Maintenance section of this manual. Use of unauthorized parts or failure to follow Maintenance instructions may create a risk of electric shock or injury.

**USE PROPER EXTENSION CORD:** Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. Table 1 shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gage. The smaller the gage number, the heavier the cord.

**Table 1: Minimum gage for cord**

Ampere Rating		Volts	Total length of cord in feet			
			120 V	25 ft.	50 ft.	100 ft.
			AWG			
More Than	Not More Than		18	16	16	14
			18	16	14	12
			16	16	14	12
			14	12	Not Recommended	

## SPECIFIC SAFETY RULES

USB013-3

**DO NOT let comfort or familiarity with product (gained from repeated use) replace strict adherence to router safety rules. If you use this tool unsafely or incorrectly, you can suffer serious personal injury.**

- 1. Hold tool by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring or its own cord.** Contact with a "live" wire will make exposed metal parts of the tool "live" and shock the operator.
- 2. Wear hearing protection during extended period of operation.**
- 3. Handle the bits very carefully.**
- 4. Check the bit carefully for cracks or damage before operation.** Replace cracked or damaged bit immediately.
- 5. Avoid cutting nails.** Inspect for and remove all nails from the workpiece before operation.
- 6. Hold the tool firmly with both hands.**
- 7. Keep hands away from rotating parts.**
- 8. Make sure the bit is not contacting the workpiece before the switch is turned on.**

- 
- 9. Before using the tool on an actual work-piece, let it run for a while. Watch for vibration or wobbling that could indicate improperly installed bit.
  - 10. Be careful of the bit rotating direction and the feed direction.
  - 11. Do not leave the tool running. Operate the tool only when hand-held.
  - 12. Always switch off and wait for the bit to come to a complete stop before removing the tool from workpiece.
  - 13. Do not touch the bit immediately after operation; it may be extremely hot and could burn your skin.
  - 14. Always lead the power supply cord away from the tool towards the rear.
  - 15. Do not smear the tool base carelessly with thinner, gasoline, oil or the like. They may cause cracks in the tool base.
  - 16. Draw attention to the need to use cutters of the correct shank diameter and suitable for the speed of the tool.
  - 17. Some material contains chemicals which may be toxic. Take caution to prevent dust inhalation and skin contact. Follow material supplier safety data.

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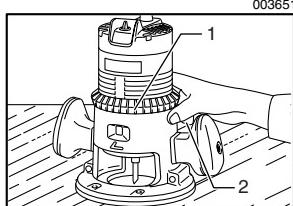
## SAVE THESE INSTRUCTIONS

**⚠ WARNING:**  
MISUSE or failure to follow the safety rules stated in this instruction manual may cause serious personal injury.

# FUNCTIONAL DESCRIPTION

## ⚠ CAUTION:

- Always be sure that the tool is switched off and unplugged before adjusting or checking function on the tool.



1. Scale ring  
2. Clamp screw

## Adjusting the depth of cut

Place the tool on a flat surface. Turn the scale ring until it makes contact with the base. Loosen the clamp screw. Turn the scale ring until the bit just touches the flat surface. Tighten the clamp screw.

Place the tool on its side and turn the scale ring counter-clockwise (when viewing the tool from the top) until the desired depth of cut is obtained. One full turn of the scale ring is equal to  $1/4"$  change in depth setting. Loosen the clamp screw and move the tool base until it makes contact with the scale ring. Then tighten the clamp screw securely.

## ⚠ CAUTION:

- Since excessive cutting may cause overload of the motor or difficulty in controlling the tool, the depth of cut should not be more than 15 mm (9/16") at a pass when cutting grooves with a 6 mm (1/4") diameter bit.

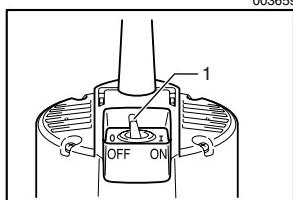
## NOTE:

- When cutting grooves with a 20 mm (13/16") diameter bit, the depth of cut should not be more than 5 mm (3/16") at a pass.  
When you wish to cut grooves more than 15 mm (9/16") deep with a 6 mm (1/4") diameter bit or more than 5 mm (3/16") deep with a 20 mm (13/16") diameter bit, make several passes with progressively deeper bit settings.

## Switch action

## ⚠ CAUTION:

- Before plugging in the tool, always check to see that the tool is switched off.
- Switch can be locked in "ON" position for ease of operator comfort during extended use. Apply caution when locking tool in "ON" position and maintain firm grasp on tool.
- Make sure that the shaft lock is released before the switch is turned on.



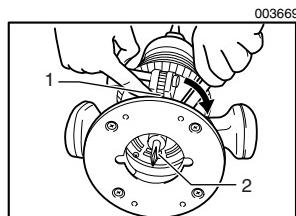
1. Switch lever

To start the tool, move the switch lever to the I (ON) position.  
To stop the tool, move the switch lever to the O (OFF) position.

## ASSEMBLY

**⚠ CAUTION:**

- Always be sure that the tool is switched off and unplugged before carrying out any work on the tool.



1. Shaft lock

2. Bit

### Installing or removing the bit

**⚠ CAUTION:**

- Install the bit securely. Always use only the wrench provided with the tool. A loose or overtightened bit can be dangerous.
- Do not tighten the collet nut without inserting a bit, or the collet cone will break.

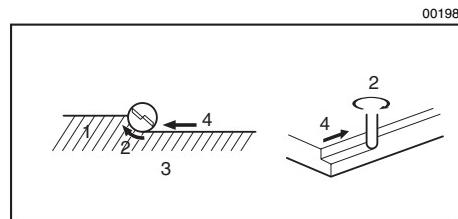
Insert the bit all the way into the collet cone. Press the shaft lock to keep the shaft stationary and use the wrench to tighten the collet nut securely.

To remove the bit, follow the installation procedure in reverse.

## OPERATION

Set the tool base on the workpiece to be cut without the bit making any contact. Then turn the tool on and wait until the bit attains full speed. Move the tool forward over the workpiece surface, keeping the tool base flush and advancing smoothly until the cutting is complete.

When doing edge cutting, the workpiece surface should be on the left side of the bit in the feed direction.



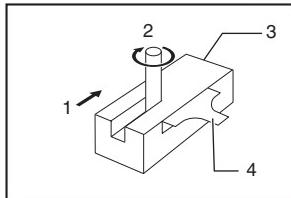
1. Workpiece

3. View from the top of the tool

2. Bit revolving direction

4. Feed direction

001985

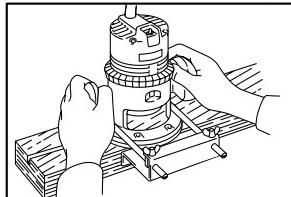


1. Feed direction
2. Bit revolving direction
3. Workpiece
4. Straight guide

### **NOTE:**

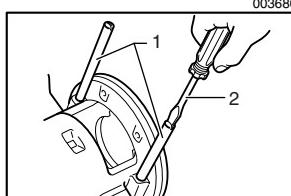
- Moving the tool forward too fast may cause a poor quality of cut, or damage to the bit or motor. Moving the tool forward too slowly may burn and mar the cut. The proper feed rate will depend on the bit size, the kind of workpiece and depth of cut. Before beginning the cut on the actual workpiece, it is advisable to make a sample cut on a piece of scrap lumber. This will show exactly how the cut will look as well as enable you to check dimensions.
- When using the straight guide or the trimmer guide, be sure to install it on the right side in the feed direction. This will help to keep it flush with the side of the workpiece.

003676

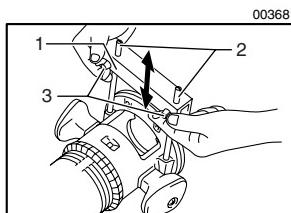


### **Straight guide (optional accessory)**

The straight guide is effectively used for straight cuts when chamfering or grooving.



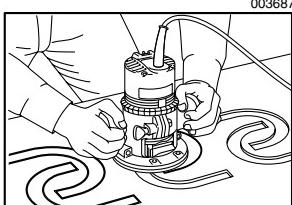
1. Screwdriver
2. Guide bar



1. Straight guide
2. Guide bar
3. Wing bolt

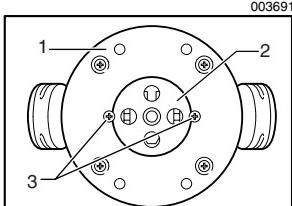
Install the straight guide on the guide bars and adjust the distance between the bit and the straight guide. At the desired distance, tighten the wing bolts to secure the straight guide in place.

When cutting, move the tool with the straight guide flush with the side of the workpiece.

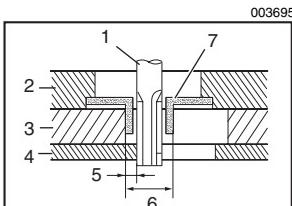


## Templet guide (optional accessory)

The templet guide provides a sleeve through which the bit passes, allowing use of the tool with templet patterns.



1. Base plate
2. Templet guide
3. Screw

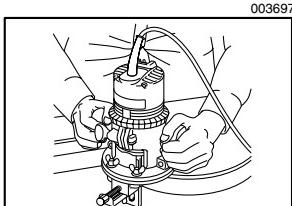


1. Bit
2. Base
3. Templet
4. Workpiece
5. Distance (X)
6. Outside diameter of the templet guide
7. Templet guide

Secure the templet to the workpiece. Place the tool on the templet and move the tool with the templet guide sliding along the side of the templet.

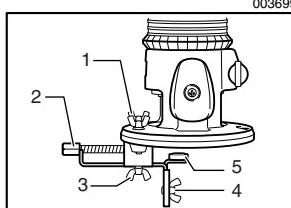
### NOTE:

- The workpiece will be cut a slightly different size from the templet. Allow for the distance (X) between the bit and the outside of the templet guide. The distance (X) can be calculated by using the following equation:  
Distance (X) = (outside diameter of the templet guide - bit diameter) / 2



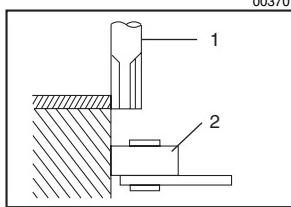
## Trimmer guide (optional accessory)

Trimming, curved cuts in veneers for furniture and the like can be done easily with the trimmer guide. The guide roller rides the curve and assures a fine cut.



003699  
1. Wing bolt (B)  
2. Fine adjusting screw  
3. Wing bolt (A)  
4. Wing nut (C)  
5. Guide roller

Install the trimmer guide on the tool base with the wing bolt (B). Loosen the wing bolt (A) and adjust the distance between the bit and the trimmer guide by turning the fine adjusting screw (1.5 mm or 1/16" per turn). At the desired distance, tighten the wing bolt (A) to secure the trimmer guide in place. When adjusting the guide roller up or down, loosen the wing nut (C). After adjusting it, tighten the wing nut (C) securely.



003701  
1. Bit  
2. Guide roller

When cutting, move the tool with the guide roller riding the side of the workpiece.

## MAINTENANCE

### **⚠ CAUTION:**

- Always be sure that the tool is switched off and unplugged before attempting to perform inspection or maintenance.

To maintain product SAFETY and RELIABILITY, repairs, carbon brush inspection and replacement, any other maintenance or adjustment should be performed by Makita Authorized or Factory Service Centers, always using Makita replacement parts.

## ACCESSORIES

### ⚠ CAUTION:

- These accessories or attachments are recommended for use with your Makita tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. Only use accessory or attachment for its stated purpose.

If you need any assistance for more details regarding these accessories, ask your local Makita service center.

- Straight & groove forming bits
- Edge forming bits
- Laminate trimming bits
- Straight guide assembly
- Trimmer guide assembly
- Templet guides
- Templet guide adapter
- Lock nut
- Collet cone 1/4"
- Wrench 17

## Memo

Cut



First-Class  
Postage  
Required

Post Office will  
not deliver  
without proper  
postage.

**Makita U.S.A., Inc.**  
14930 Northam Street  
La Mirada, CA 90638-5753



— Fold —

# MAIL THIS PORTION

Your answers to the following questions are appreciated.

**1. This product was purchased from:**

- Home Center
- Hardware/Lumber Store
- Tool Distributor
- Industrial Supply
- Construction Supply

Other ( )

**3. How did you learn about this product:**

- Magazine
  - From Dealer
  - Newspaper
  - Store Display
  - Catalog
- Radio
  - Exhibition
  - From Friend
  - Previous Usage
  - Other ( )

**2. Use of the product is intended for:**

- Construction Trade
- Industrial Maintenance
- Home Maintenance
- Hobby
- Other ( )

**4. Most favored points are:**

- Design
  - Features
  - Size
  - Price
  - Makita Brand
- Repair Service
  - Durability
  - Power
  - Other ( )

**5. Any comments:**

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DATE PURCHASED			MODEL NO.			
MONTH	DAY	YEAR	SERIAL NO.			
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
INTL.	LAST NAME / COMPANY NAME				STATUS	SEX
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
STREET ADDRESS						
CITY						
STATE	ZIP CODE				PHONE	AREA CODE
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
AGE:	<input type="checkbox"/> Under 19	<input type="checkbox"/> 20-29	<input type="checkbox"/> 30-39	<input type="checkbox"/> 40-49	<input type="checkbox"/> 50-60	<input type="checkbox"/> Over 60

BE SURE TO COMPLETE THE CUSTOMER'S PORTION OF THIS FORM AND RETAIN FOR YOUR RECORDS.

Please return this portion by facsimile or mail.

Facsimile No: (714) 522-8133

Paste

# FACTORY SERVICE CENTERS

1-800-4-MAKITA

RETAIN THIS PORTION FOR YOUR RECORDS

## ARIZONA

3707 E. Broadway Rd., Ste. 6  
Phoenix, AZ 85040  
(602) 437-2850

## FLORIDA

750 East Sample Road  
Pompano Beach, FL 33064  
(954) 781-6333

## MISSOURI

9876 Watson Road  
St. Louis, MO 63126-2221  
(314) 909-9889

## PENNSYLVANIA

1704 Babcock Blvd.  
Pittsburgh, PA 15209  
(412) 822-7370

## CALIFORNIA

41850 Christy St.  
Fremont, CA 94538-5107  
(510) 657-9881

## GEORGIA

4680 River Green Parkway NW  
Duluth, GA 30096  
(770) 476-8911

## NEBRASKA

4129 S. 84th St.  
Omaha, NE 68127  
(402) 597-2925

## PUERTO RICO

200 Guayama St.  
Hato Rey, PR 00917  
(787) 250-8776

## 14930 Northam St.

La Mirada, CA 90638-5753  
(714) 522-8088

1970 Fulton Avenue  
Sacramento, CA 95825  
(916) 482-5197

## ILLINOIS

1450 Feehanville Dr.  
Mt. Prospect, IL 60056-6011  
(847) 297-3100

## NEVADA

3375 S. Decatur Blvd.  
Suites, 22 - 24  
Las Vegas, NV 89102  
(702) 368-4277

## TENNESSEE

1120 Elm Hill P.  
Suite 170 Nashville, TN 372  
(615) 248-3321

7674 Clairemont Mesa Blvd.  
San Diego, CA 92111  
(858) 278-4471

16735 Saticoy St., Ste. 105  
Van Nuys, CA 91406  
(818) 782-2440

**COLORADO**  
11839 E. 51st Ave.  
Denver, CO 80239-2709  
(303) 371-2850

## MARYLAND

7397 Washington Boulevard,  
Suite 104 Elkridge, MD 21075  
(410) 796-4401

## MASSACHUSETTS

232 Providence Hwy.  
Westwood, MA 02090  
(781) 461-9754

## MINNESOTA

6427 Penn Ave. South  
Richfield, MN 55423  
(612) 869-5199

## NEW JERSEY

251 Herrod Blvd.  
Dayton, NJ 08810-1539  
(609) 655-1212

## NEW YORK

4917 Genesee Street  
Cheektowaga, NY 14225  
(716) 685-9503

## OREGON

828 19th Avenue, N.W.  
Portland, OR 97209  
(503) 222-1823

## TEXAS

12801 Stemmons Fwy Ste. 809  
Farmers Branch, TX 75234  
(972) 243-1150

12701 Directors Dr.  
Stafford, TX 77477-3701  
(281) 565-8665

3453 IH-35 North, Ste. 101  
San Antonio, TX 78219  
(210) 228-0676

## WISCONSIN

Lincoln Plaza Shopping Ctr.  
2245 S. 108th St. West Allis, WI  
53227  
(414) 541-4776

## CUSTOMER'S RECORD

<b>When you need service:</b> Send complete tool (prepaid) to one of the Makita Factory Service Centers listed, or to an Authorized Makita Service Center. Be sure to attach a letter to the outside of the carton detailing the problem with your tool.	Date Purchased
	Dealer's Name & Address
	Model No.
	Serial No.

# WARNING

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- lead from lead-based paints,
- crystalline silica from bricks and cement and other masonry products, and
- arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

## MAKITA LIMITED ONE YEAR WARRANTY

### Warranty Policy

Every Makita tool is thoroughly inspected and tested before leaving the factory. It is warranted to be free of defects from workmanship and materials for the period of ONE YEAR from the date of original purchase. Should any trouble develop during this one year period, return the COMPLETE tool, freight prepaid, to one of Makita's Factory or Authorized Service Centers. If inspection shows the trouble is caused by defective workmanship or material, Makita will repair (or at our option, replace) without charge.

This Warranty does not apply where:

- repairs have been made or attempted by others;
- repairs are required because of normal wear and tear;
- the tool has been abused, misused or improperly maintained;
- alterations have been made to the tool.

IN NO EVENT SHALL MAKITA BE LIABLE FOR ANY INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES FROM THE SALE OR USE OF THE PRODUCT. THIS DISCLAIMER APPLIES BOTH DURING AND AFTER THE TERM OF THIS WARRANTY.

MAKITA DISCLAIMS LIABILITY FOR ANY IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF "MERCHANTABILITY" AND "FITNESS FOR A SPECIFIC PURPOSE," AFTER THE ONE YEAR TERM OF THIS WARRANTY.

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.

Makita Corporation of America

2650 Buford Hwy., Buford, GA 30518